Hikaru Hashitani

List of Publications by Year in Descending Order

74 papers	1,641 citations	22 h-index	38 g-index
75 ext. papers	1,761 ext. citations	4.2 avg, IF	4.78 L-index

#	Paper	IF	Citations
74	Mechanosensitive modulation of peristaltic contractions in the mouse renal pelvis.. *European Journal of Pharmacology*, **2022**, 920, 174834	5.3	0
73	Functional nitrergic innervation of smooth muscle structures in the mucosa of pig lower urinary tract. *Cell and Tissue Research*, **2021**, 386, 513-531	4.2	
72	Mechanisms underlying the prokinetic effects of endogenous glucagon-like peptide-1 in the rat proximal colon. *American Journal of Physiology - Renal Physiology*, **2021**, 321, G617-G627	5.1	0
71	NO-mediated signal transmission in bladder vasculature as a therapeutic target of PDE5 inhibitors. Rodent model studies. *British Journal of Pharmacology*, **2021**, 178, 1073-1094	8.6	2
70	Comparative effects of angiotensin II on the contractility of muscularis mucosae and detrusor in the pig urinary bladder. *Neurourology and Urodynamics*, **2021**, 40, 102-111	2.3	1
69	ATYPICAL or INTERSTITIAL, take your PIC. *Journal of Physiology*, **2020**, 598, 3061-3062	3.9	0
68	Functional heterogeneity of PDGFR□(+) cells in spontaneously active urogenital tissues. *Neurourology and Urodynamics*, **2020**, 39, 1667-1678	2.3	2
67	Neural regulation of the contractility of nutrient artery in the guinea pig tibia. *Pflugers Archiv European Journal of Physiology*, **2020**, 472, 481-494	4.6	3
66	Are oxidative stress and ischemia significant causes of bladder damage leading to lower urinary tract dysfunction? Report from the ICI-RS 2019. *Neurourology and Urodynamics*, **2020**, 39 Suppl 3, S16-S22	2.3	11
65	Synchrony of spontaneous Ca activity in microvascular mural cells. *Journal of Smooth Muscle Research*, **2020**, 56, 1-18	0.4	4
64	New targets for overactive bladder-ICI-RS 2109. *Neurourology and Urodynamics*, **2020**, 39 Suppl 3, S113-S131	2.3	7
63	Contractile elements and their sympathetic regulations in the pig urinary bladder: a species and regional comparative study. *Cell and Tissue Research*, **2020**, 379, 373-387	4.2	9
62	Mucosa-Dependent, Stretch-Sensitive Spontaneous Activity in Seminal Vesicle. *Advances in Experimental Medicine and Biology*, **2019**, 1124, 217-231	3.6	0
61	Role of Pericytes in the□Initiation and Propagation of Spontaneous Activity in the□Microvasculature. *Advances in Experimental Medicine and Biology*, **2019**, 1124, 329-356	3.6	6
60	Pacemaker Mechanisms Driving Pyeloureteric Peristalsis: Modulatory Role of Interstitial Cells. *Advances in Experimental Medicine and Biology*, **2019**, 1124, 77-101	3.6	7
59	Role of K channels in maintaining the synchrony of spontaneous Ca transients in the mural cells of rat rectal submucosal arterioles. *Pflugers Archiv European Journal of Physiology*, **2019**, 471, 1025-1040	4.6	1
58	Properties of SK3 channel-expressing PDGFR□(+) cells in the rodent urinary bladder. *European Journal of Pharmacology*, **2019**, 860, 172552	5.3	6

57	Exercise-induced sympathetic dilatation in arterioles of the guinea pig tibial periosteum. *Autonomic Neuroscience: Basic and Clinical*, **2019**, 217, 7-17	2.4	1
56	What are the origins and relevance of spontaneous bladder contractions? ICI-RS 2017. *Neurourology and Urodynamics*, **2018**, 37, S13-S19	2.3	10
55	Role of K channels in regulating spontaneous activity in the muscularis mucosae of guinea pig bladder. *European Journal of Pharmacology*, **2018**, 818, 30-37	5.3	8
54	Role of capillary pericytes in the integration of spontaneous Ca transients in the suburothelial microvasculature in situ of the mouse bladder. *Journal of Physiology*, **2018**, 596, 3531-3552	3.9	11
53	Interstitial cell modulation of pyeloureteric peristalsis in the mouse renal pelvis examined using FIBSEM tomography and calcium indicators. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 797-813	4.6	12
52	Contractile properties of periosteal arterioles in the guinea-pig tibia. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 1203-1213	4.6	4
51	Role of mucosa in generating spontaneous activity in the guinea pig seminal vesicle. *Journal of Physiology*, **2017**, 595, 4803-4821	3.9	5
50	Properties of synchronous spontaneous Ca transients in the mural cells of rat rectal arterioles. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 1189-1202	4.6	5
49	Nerve-induced responses of mouse vaginal smooth muscle. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 1373-1385	4.6	8
48	Role of prostatic interstitial cells in prostate motility. *Journal of Smooth Muscle Research*, **2017**, 53, 57-72	0.4	6
47	Functional coupling of TRPV4 channels and BK channels in regulating spontaneous contractions of the guinea pig urinary bladder. *Pflugers Archiv European Journal of Physiology*, **2016**, 468, 1573-85	4.6	20
46	Mechanisms underlying spontaneous constrictions of postcapillary venules in the rat stomach. *Pflugers Archiv European Journal of Physiology*, **2016**, 468, 279-91	4.6	9
45	Angiotensin receptor-1A knockout leads to hydronephrosis not associated with a loss of pyeloureteric peristalsis in the mouse renal pelvis. *Clinical and Experimental Pharmacology and Physiology*, **2016**, 43, 535-42	3	5
44	Role of PTHrP and Sensory Nerve Peptides in Regulating Contractility of Muscularis Mucosae and Detrusor Smooth Muscle in the Guinea Pig Bladder. *Journal of Urology*, **2016**, 196, 1287-94	2.5	14
43	Spontaneous activity in the microvasculature of visceral organs: role of pericytes and voltage-dependent Ca(2+) channels. *Journal of Physiology*, **2016**, 594, 555-65	3.9	16
42	Effects of K(+) channel openers on spontaneous action potentials in detrusor smooth muscle of the guinea-pig urinary bladder. *European Journal of Pharmacology*, **2016**, 789, 179-186	5.3	12
41	Electrical properties of purinergic transmission in smooth muscle of the guinea-pig prostate. *Autonomic Neuroscience: Basic and Clinical*, **2016**, 194, 8-16	2.4	4
40	Pacemaker role of pericytes in generating synchronized spontaneous Ca2+ transients in the myenteric microvasculature of the guinea-pig gastric antrum. *Cell Calcium*, **2015**, 58, 442-56	4	8

39	Functional properties of submucosal venules in the rat stomach. *Pflugers Archiv European Journal of Physiology*, **2015**, 467, 1327-42	4.6	10
38	Neurohumoral regulation of spontaneous constrictions in suburothelial venules of the rat urinary bladder. *Vascular Pharmacology*, **2014**, 60, 84-94	5.9	16
37	Voltage dependence of slow wave frequency in the guinea pig prostate. *Journal of Urology*, **2014**, 192, 1286-92	2.5	7
36	Altered detrusor gap junction communications induce storage symptoms in bladder inflammation: a mouse cyclophosphamide-induced model of cystitis. *PLoS ONE*, **2014**, 9, e104216	3.7	18
35	Voltage-operated Ca(2) (+) currents and Ca(2) (+) -activated Cl(-) currents in single interstitial cells of the guinea-pig prostate. *BJU International*, **2014**, 114, 436-46	5.6	13
34	Immunohistochemical characteristics of suburothelial microvasculature in the mouse bladder. *Histochemistry and Cell Biology*, **2013**, 140, 189-200	2.4	25
33	Properties of submucosal venules in the rat distal colon. *British Journal of Pharmacology*, **2013**, 170, 968-77	8.6	14
32	PTHrP is endogenous relaxant for spontaneous smooth muscle contraction in urinary bladder of female rat. *Endocrinology*, **2013**, 154, 2058-68	4.8	8
31	Potassium and ANO1/ TMEM16A chloride channel profiles distinguish atypical and typical smooth muscle cells from interstitial cells in the mouse renal pelvis. *British Journal of Pharmacology*, **2012**, 165, 2389-408	8.6	23
30	Functional and morphological properties of pericytes in suburothelial venules of the mouse bladder. *British Journal of Pharmacology*, **2012**, 167, 1723-36	8.6	27
29	Functional properties of suburothelial microvessels in the rat bladder. *Journal of Urology*, **2011**, 185, 2382-91	2.5	32
28	Spontaneous Ca2+ signaling of interstitial cells in the guinea pig prostate. *Journal of Urology*, **2011**, 186, 2478-86	2.5	13
27	Factors which determine the duration of follower potentials in longitudinal smooth muscle isolated from the guinea-pig stomach antrum. *Journal of Smooth Muscle Research*, **2011**, 47, 89-110	0.4	
26	Role of perinuclear mitochondria in the spatiotemporal dynamics of spontaneous Ca2+ waves in interstitial cells of Cajal-like cells of the rabbit urethra. *British Journal of Pharmacology*, **2010**, 161, 680-94	8.6	21
25	Spontaneous electrical and Ca2+ signals in the mouse renal pelvis that drive pyeloureteric peristalsis. *Clinical and Experimental Pharmacology and Physiology*, **2010**, 37, 509-15	3	28
24	Functions of ICC-like cells in the urinary tract and male genital organs. *Journal of Cellular and Molecular Medicine*, **2010**, 14, 1199-211	5.6	25
23	Distinct effects of CGRP on typical and atypical smooth muscle cells involved in generating spontaneous contractions in the mouse renal pelvis. *British Journal of Pharmacology*, **2009**, 158, 2030-45	8.6	20
22	Role of K+ channels in regulating spontaneous activity in detrusor smooth muscle in situ in the mouse bladder. *Journal of Urology*, **2009**, 181, 2355-65	2.5	34

21	Altered distribution of interstitial cells in the guinea pig bladder following bladder outlet obstruction. *Neurourology and Urodynamics*, **2008**, 27, 330-40	2.3	59
20	Role of nitric oxide/cyclic GMP pathway in regulating spontaneous excitations in detrusor smooth muscle of the guinea-pig bladder. *Neurourology and Urodynamics*, **2008**, 27, 446-53	2.3	24
19	Properties of spontaneous Ca2+ transients recorded from interstitial cells of Cajal-like cells of the rabbit urethra in situ. *Journal of Physiology*, **2007**, 583, 505-19	3.9	33
18	Spontaneous electrical and Ca2+ signals in typical and atypical smooth muscle cells and interstitial cell of Cajal-like cells of mouse renal pelvis. *Journal of Physiology*, **2007**, 583, 1049-68	3.9	55
17	The role of Ni(2+)-sensitive T-type Ca(2+) channels in the regulation of spontaneous excitation in detrusor smooth muscles of the guinea-pig bladder. *BJU International*, **2006**, 97, 182-9	5.6	20
16	Heterogeneous CPA sensitivity of spontaneous excitation in smooth muscle of the rabbit urethra. *British Journal of Pharmacology*, **2006**, 148, 340-9	8.6	12
15	Interaction between interstitial cells and smooth muscles in the lower urinary tract and penis. *Journal of Physiology*, **2006**, 576, 707-14	3.9	51
14	Atypical slow waves generated in gastric corpus provide dominant pacemaker activity in guinea pig stomach. *Journal of Physiology*, **2005**, 569, 459-65	3.9	34
13	Interaction between spontaneous and neurally mediated regulation of smooth muscle tone in the rabbit corpus cavernosum. *Journal of Physiology*, **2005**, 569, 723-35	3.9	28
12	Correlation between spontaneous electrical, calcium and mechanical activity in detrusor smooth muscle of the guinea-pig bladder. *British Journal of Pharmacology*, **2004**, 141, 183-93	8.6	111
11	Identification of interstitial cells of Cajal in corporal tissues of the guinea-pig penis. *British Journal of Pharmacology*, **2004**, 141, 199-204	8.6	30
10	Role of interstitial cells and gap junctions in the transmission of spontaneous Ca2+ signals in detrusor smooth muscles of the guinea-pig urinary bladder. *Journal of Physiology*, **2004**, 559, 567-81	3.9	133
9	Electrical properties of detrusor smooth muscles from the pig and human urinary bladder. *British Journal of Pharmacology*, **2003**, 140, 146-58	8.6	87
8	Ionic basis for the regulation of spontaneous excitation in detrusor smooth muscle cells of the guinea-pig urinary bladder. *British Journal of Pharmacology*, **2003**, 140, 159-69	8.6	109
7	Role of mitochondria in the generation of spontaneous activity in detrusor smooth muscles of the Guinea pig bladder. *Journal of Urology*, **2003**, 170, 628-33	2.5	16
6	Cellular mechanisms of nitric oxide-induced relaxation of corporeal smooth muscle in the guinea-pig. *Journal of Physiology*, **2002**, 538, 573-81	3.9	18
5	Origin and propagation of spontaneous excitation in smooth muscle of the guinea-pig urinary bladder. *Journal of Physiology*, **2001**, 530, 273-86	3.9	105
4	EFFECTS OF ISOPROTERENOL ON SPONTANEOUS EXCITATIONS IN DETRUSOR SMOOTH MUSCLE CELLS OF THE GUINEA PIG. *Journal of Urology*, **2001**, 166, 335-340	2.5	27

3	Neuroeffector transmission to different layers of smooth muscle in the rat penile bulb. *Journal of Physiology*, **2000**, 524 Pt 2, 549-63	3.9	12
2	Effects of Y-26763, A Novel K-Channel Opener, on Electrical Responses of Smooth Muscles in the Guinea Pig Bladder. *Journal of Urology*, **1996**, 155, 1454-1458	2.5	14
1	Properties of spontaneous depolarizations in circular smooth muscle cells of rabbit urethra. *British Journal of Pharmacology*, **1996**, 118, 1627-32	8.6	112